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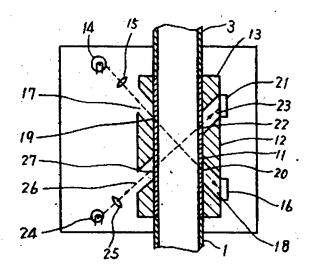
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INT.CL.

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TITLE

TURBIDITY MEASURING DEVICE



ABSTRACT:

PURPOSE: To measure turbidity always correctly without error in the indication by providing two cell windows through which two light beams are alternately shot into a water specimen and passing the translucent light and diffused light alternately through all the cells and leading the lights to a light receiving device.

CONSTITUTION: A light beam is collected by a lens 15 and shot into a water specimen through a light leading hole 17 and the cell window 19, and the translucent light 1 passes through the cell window 20 and the light leading hole 17 to be received at a light receiving device 16, and diffused light lo passes through the cell window 22 and a light leading hole 18 to be received by a light receiving device 21. Then a lamp 14 as the light source is turned off and another light source lamp 24 is turned on. The light receiving device 21 receives the translucent light I4 and the light receiving device 16 receives the diffused light l₃. The light source lamps 14 and 24 are thus lighted alternately to receive respectively translucent light and diffused light, and by performing calculation $(|_2 \times |_3 / |_1 \times |_4)^{1/2}$ always correct turbidity measurement can be made without developing error due to stain on the cell window during the measurement.

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